20020514.qrp v02_n555.qrl.20020514

Date: Tue, 14 May 2002 19:03:05 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2555

QRP-L Digest 2555

Topics covered in this issue include:

  1) [126608] Shuttle Bus at FDIM
     by "WI8W" <wi8w@arrl.net>
  2) [126609] Dayton Bus Information
     by Chuck Adams <k7qo@earthlink.net>
  3) [126610] Re: Shuttle Bus at FDIM
     by "Jeff Davis" <n9avg@att.net>
  4) [126611] Bus from the Ramada
     by "Brian Murrey" <brian@iquest.net>
  5) [126612] Re: Shuttle Bus at FDIM
     by "Brian Murrey" <brian@iquest.net>
  6) [126613] RE: Shuttle Bus
     by "WI8W" <wi8w@arrl.net>
  7) [126614] Re: Shuttle Bus
     by "Jeff Davis" <n9avg@att.net>
  8) [126615] about that bus....
     by "WI8W" <wi8w@arrl.net>
  9) [126616] Re: Shuttle Bus
     by "w8diz" <w8diz@fpqrp.com>
 10) [126617] little antenna test
     by IamSF5@aol.com
 11) [126618] Nye-Viking Audible Tuning Aid Wanted
     by "Mike Duke, K5XU" <k5xu@netdoor.com>
 12) [126619] Hamfest
     by "Steve Markowitz" <sdmarko@attglobal.net>
 13) [126620] MFJ rigs to FDIM
     by Kenneth Broga <w9qs@yahoo.com>
 14) [126621] Re: Shuttle Bus
     by "Brian Murrey" <brian@iquest.net>
 15) [126622] Re: Hamfest
     by "John J. McDonough" <wb8rcr@arrl.net>
 16) [126623] Re: Shuttle Bus
     by Bill ROWLETT <kc4atu@yahoo.com>
 17) [126624] FS: HW-8, 6m & 10m stuff
     by "William K. Harding" <k4ahk@ix.netcom.com>
 18) [126625] Ignore the previous message it was a hoax - sorry Mike
     by "Mike, Diane and Vicky" <tignor@attglobal.net>
 19) [126626] Free bus

    by Pete Burbank <plburbank@kih.net>
20) [126627] Re: Epiphyte 3 Testing - Help!
    by "Michael C. Boatright" <ko4wx@mindspring.com>
21) [126628] Diode Specs
    by "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
22) [126629] Wind Power using the Kansas Jumbo - (kind of Long)
    by Thomas Upton <stjohn@ocsnet.net>
23) [126630] Re: Arnie missing from FDIM.
    by N0BN@aol.com
24) [126631] NJQRP updates - kits, pubs, activities
    by "George Heron N2APB" <n2apb@erols.com>
25) [126632] GDO coils question.
    by Pete Burbank <plburbank@kih.net>
26) [126633] FDIM Activity Schedule
    by "Tom Dooley" <tdooley@attbi.com>
27) [126634] FDIM Seminar Schedule
    by "Tom Dooley" <tdooley@attbi.com>
28) [126635] Re: Diode Specs
    by "Mark J. Dulcey" <mark@buttery.org>
29) [126636] Re: Diode Specs
    by David Hinerman <wd8civ@worldnet.att.net>
30) [126637] FS: Ramsey Pair $50ppd! & HR-1 Rcvr $22ppd
    by RLucch2098@aol.com
31) [126638] Re: Diode Specs
    by "Mike Yetsko" <myetsko@insydesw.com>
32) [126639] RE: Boy Scouts and Youth Demo Tips
    by "Gay Family" <jakidz@pullman.com>
33) [126640] speaker re-coning
    by "Ed Tanton" <n4xy@earthlink.net>
34) [126641] Re: GDO coils question
    by "Brad Hernlem" <alihernlem@hotmail.com>
35) [126642] RE: GDO coils question.
    by Conrad Weiss <radman@best.com>
36) [126643] Re: Nye-Viking Audible Tuning Aid Wanted
    by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
37) [126644] Re: Diode Specs
    by "Dave Fifield" <dave@redhotradio.com>
38) [126645] RE: Diode Specs
    by "Ed Tanton" <n4xy@earthlink.net>
39) [126646] Bus Schedule
    by Chuck Adams <k7qo@earthlink.net>
40) [126647] Wanted: Article in Ham Radio Magazine
    by Chuck Adams <k7qo@earthlink.net>
41) [126648] FS: Drake 2C Reciever
    by "John Grow" <jgrow@sympatico.ca>
42) [126649] "Grid Dipping" a MOSFET
    by "Karl Kanalz" <kkanalz@gcecisp.com>
43) [126650] VFO from inverter?

by David Hinerman <WD8CIV@worldnet.att.net>
44) [126651] One last thing to remember at Dayton
by Dan Puckett <wd8aau@woh.rr.com>
45) [126652] Michigan QRP Net tonight
by "Kwik, Ed " <ed.kwik@delphiauto.com>
46) [126653] NEQRP SSB NET Tuesday night
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
47) [126654] 2N5836
by Shawn Upton <kb1ckt@yahoo.com>
48) [126655] Re: Diode Specs
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
49) [126656] Low Power Balun Kit
by Lee Hopper <leehop@qwest.net>
50) [126657] Re: VFO from inverter?
by "Leon Heller" <leon_heller@hotmail.com>
51) [126658] Re: 2N5836
by "Ian Wilson" <ianmwilson@earthlink.net>
52) [126659] Re: 2N5836
by <ac7a@gci-net.com>
53) [126660] Re: 2N5836
by David Hinerman <WD8CIV@worldnet.att.net>
54) [126661] Re: Shuttle Bus at FDIM
by "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
55) [126662] RE: VFO from inverter?
by "Ray Goff" <radioham@gmx.co.uk>
56) [126663] KI6DS will be at Lobstercon on first weekend in July.
by "Doug Hendricks" <ki6ds@dph.dpol.net>
57) [126664] Re: KI6DS will be at Lobstercon on first weekend in July.
by K5BDZ@aol.com
58) [126665] Re. GDOs
by Pete Burbank <plburbank@kih.net>
59) [126666] FET needed-desperate!
by "Howard Kraus" <K2UD@adelphia.net>
60) [126667] QRP+ @ FDIM
by W2EB <w2eb@twcny.rr.com>
61) [126668] RE: Low Power Balun Kit
by "Tracy Markham" <tracy@bytemark.com>
62) [126669] OT: Problems with Juno
by Mark Fields <mark_ke5my@juno.com>
63) [126670] Aluminum / S-S Compatibility (off topic)-long
by "Woody Lee" <lee@sms.si.edu>
64) [126671] Schedule
by "Karl F. Larsen" <k5di@zianet.com>
65) [126672] QRP amp kit is shipped
by "Karl F. Larsen" <k5di@zianet.com>
66) [126673] Re: QRP amp kit is shipped
by "Lee Mairs" <lmairs@cox.net>
67) [126674] FS at Dayton: Loaded IC-765

    by "Alan Fryer" <N3BJ@hotmail.com>
 68) [126675] Need Refurbished Laptop for QRP PSK-31
    by "James P. Rybak" <jrybak@mesastate.edu>
 69) [126676] Re: Need Refurbished Laptop for QRP PSK-31
    by "John J. McDonough" <wb8rcr@arrl.net>
 70) [126677] RE: Need Refurbished Laptop for QRP PSK-31
    by Conrad Weiss <radman@best.com>
 71) [126678] Crystal Urgently required!!
    by park@full-moon.com
 72) [126679] R2Pro Announcement
    by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>

Date: Mon, 13 May 2002 23:10:23 -0000
From: "WI8W" <wi8w@arrl.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [126608] Shuttle Bus at FDIM
Message-ID: <009e01c1fad3$5ccd81e0$6501a8c0@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

anyone know if there will be a shuttle bus from the FDIM hotel to the
Hamvention each day?

With rain in the forecast I do not want to park my car in that darn field
across from Hara.

I know this was asked before but I may have missed the answer.

thanks

Thom WI8W

Date: Tue, 14 May 2002 07:35:56 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [126609] Dayton Bus Information
Message-ID: <5.1.0.14.0.20020514073451.009eaec0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I checked the Hamvention web page and the only bus
information that they are showing is a bus running from
the Salem Mall. No buses shown to/from the hotel areas.

Looks like we drive to the Mall and shop there. :-)

dit dit

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
http://www.qsl.net/k7qo

Moving to Arizona? --- Bring your own water, please.

Date: Mon, 13 May 2002 18:21:27 -0500
From: "Jeff Davis" <n9avg@att.net>
To: <wi8w@arrl.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [126610] Re: Shuttle Bus at FDIM
Message-ID: <005c01c1fad4$e8c79810$9800a8c0@N9AVG>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Thom!

Yes, according to the Hamvention info there will be a FREE bus from
the Ramada Dayton Mall to the Hamvention!

http://www.hamvention.org/buses.htm

Vy 72 es CU there!!

Jeff, n9AVG
http://www.qsl.net/n9avg/

----- Original Message -----
From: "WI8W" <wi8w@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, May 13, 2002 6:10 PM
Subject: Shuttle Bus at FDIM

anyone know if there will be a shuttle bus from the FDIM hotel to the Hamvention each day?

With rain in the forecast I do not want to park my car in that darn field
across from Hara.

I know this was asked before but I may have missed the answer.

thanks

Thom WI8W

Date: Mon, 13 May 2002 18:36:14 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "Pigs" <fpqrp-l@mpna.com>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [126611] Bus from the Ramada
Message-ID: <004701c1fad6$f994d2f0$4e362bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I JUST got off the phone with Michelle at the Ramada in Dayton. THEY WILL HAVE A SHUTTLE BUS FROM THE HOTEL TO THE HAMVENTION. She thought the cost would be like $2 a day. The shuttle will be on a rotating schedule of either every hour or every two hours.

So we don't have to park at Hara in the mud bog, nor do we need to drive to Salem Mall.

73 es YIPEEE FDIM IS ALMOST HERE!!!!

==========
KB9BVN/QRP - New Whiteland IN - EM69WN

 QRP-ARCI #10223 QRP-L #1540 FIST #5695
   FISTS CC #764 - Proud Member ARRL
 HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
   INTO INFAMOUS AF4PS ATTIC DIPOLE
  SOC #400 AND FLYING PIGS QRP #-57
==========

Date: Mon, 13 May 2002 18:38:58 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [126612] Re: Shuttle Bus at FDIM
Message-ID: <005f01c1fad7$5b20bf70$4e362bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

COOL Jeff! IT'S FREE too!!

Man I don't know about you but I am READY for FDIM. I can't stand
waiting any longer, I may drive out tonight and just sit in the
parking lot...

==========
 KB9BVN/QRP - New Whiteland IN - EM69WN
 QRP-ARCI #10223 QRP-L #1540 FIST #5695
   FISTS CC #764 - Proud Member ARRL
 HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
   INTO INFAMOUS AF4PS ATTIC DIPOLE
  SOC #400 AND FLYING PIGS QRP #-57
==========

----- Original Message -----
From: "Jeff Davis" <n9avg@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, May 13, 2002 6:21 PM
Subject: Re: Shuttle Bus at FDIM

> Hello Thom!

>
> Yes, according to the Hamvention info there will be a FREE bus from
> the Ramada Dayton Mall to the Hamvention!
>
> http://www.hamvention.org/buses.htm
>
> Vy 72 es CU there!!
>
> Jeff, n9AVG
> http://www.qsl.net/n9avg/
>
>
>
> ----- Original Message -----
> From: "WI8W" <wi8w@arrl.net>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Monday, May 13, 2002 6:10 PM
> Subject: Shuttle Bus at FDIM
>
>
> anyone know if there will be a shuttle bus from the FDIM hotel to
the
> Hamvention each day?
>
> With rain in the forecast I do not want to park my car in that darn
> field
> across from Hara.
>
> I know this was asked before but I may have missed the answer.
>
> thanks
>
> Thom WI8W
>
>
>
>
>

Date: Mon, 13 May 2002 23:37:21 -0000
From: "WI8W" <wi8w@arrl.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [126613] RE: Shuttle Bus
Message-ID: <00b601c1fad7$230187a0$6501a8c0@attbi.com>

MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hummmmmm.

The hotel says $2 a day and the hamvention says Free because the hotel is on
the sponsors list.

which is right? Inquiring minds want to know.

73

Thom WI8W

Date: Mon, 13 May 2002 18:42:07 -0500
From: "Jeff Davis" <n9avg@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [126614] Re: Shuttle Bus
Message-ID: <00b801c1fad7$cbff8dc0$9800a8c0@N9AVG>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think the *real* question is how am I going to fit on that bus with
30 or 40 Flying Pigs AND my 75 foot tower for the ride back to the
hotel?

;-)

72 de Jeff, N9AVG

----- Original Message -----
From: "WI8W" <wi8w@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, May 13, 2002 6:37 PM
Subject: RE: Shuttle Bus

Hummmmmm.

The hotel says $2 a day and the hamvention says Free because the hotel
is on
the sponsors list.

which is right? Inquiring minds want to know.

73

Thom WI8W

Date: Mon, 13 May 2002 23:43:16 -0000
From: "WI8W" <wi8w@arrl.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [126615] about that bus....
Message-ID: <00c601c1fad7$f4b1f320$6501a8c0@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

So how we gonna decide who gets to ride on the first bus from the hotel?

I am no good at arm wrestling.

By the way, I and my long time friend (who in 50 years of hamming has never
been to Dayton) will be leaving Grand Rapids, MI at 7:30am Wednesday. We
should arrive sometime around 3pm and if KB9BVN/QRP is in that parking lot,
I will wake him up.

73

Thom WI8W

Date: Mon, 13 May 2002 21:05:48 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-l@Lehigh.EDU>
Subject: [126616] Re: Shuttle Bus
Message-ID: <001601c1fae3$7c21bab0$27a41b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hell...

Ten "flying Pigs" and the bus is full ... LOL

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FP#-1 http://home.cinci.rr.com/w8diz & http://kitsandparts.com

----- Original Message -----
From: "Jeff Davis" <n9avg@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, May 13, 2002 7:42 PM
Subject: Re: Shuttle Bus
I think the *real* question is how am I going to fit on that bus with
30 or 40 Flying Pigs AND my 75 foot tower for the ride back to the
hotel?
;-)
72 de Jeff, N9AVG

Date: Mon, 13 May 2002 20:13:55 EDT
From: IamSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [126617] little antenna test
Message-ID: <126.10a83e1c.2a11b0c3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
In about a half hour (0000-UTC) i'll be running my MFJ with the modified B&W
window antenna and a fresh charged 12 vold battery.
Will be calling CQ on appx 7035 5 KC up or down for QRM but just looking to
see how well this setup (antenna) will do on 40 in the early evening hours.
Storms went through and the band is very quite here.
Would appreciate any reports,chirps,hums,drift,etc.
Thanks
Bob
AF2Qrp <tm>

Date: Mon, 13 May 2002 19:36:38 -0500
From: "Mike Duke, K5XU" <k5xu@netdoor.com>
To: "qrp list" <qrp-l@lehigh.edu>
Subject: [126618] Nye-Viking Audible Tuning Aid Wanted
Message-ID: <004d01c1fadf82006700b4d294d0@k5xu>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

About 20 years ago, Nye-Viking made a transmitter output indicator for use by blind hams. With it, you could either tune a rig for maximum output by tuning for the highest pitch, or find the null on an antenna tuner by tuning for lowest pitch. This was a self-contained unit which did not need to be connected across a meter. It was inserted into the coax just like an SWR meter.

I would love to find one so that I can eliminate an extra box and cable from my feedline. Presently, I have an external SWR bridge with another external audible reader connected to it.

If you know of anyone who has this Nye-Viking unit for sale or trade, please put me in touch with them. If you happen to stumble onto one at Dayton for anything reasonable, grab it and we'll deal.

Mike Duke, K5XU
American Council of Blind Radio Amateurs

Date: Mon, 13 May 2002 20:38:49 -0400
From: "Steve Markowitz" <sdmarko@attglobal.net>
To: <qrp-l@lehigh.edu>
Subject: [126619] Hamfest
Message-ID: <MBBBIMJDINHHCIEADIPDAEEMCBAA.sdmarko@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

When is the next hamfest?

Date: Mon, 13 May 2002 17:43:39 -0700 (PDT)
From: Kenneth Broga <w9qs@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [126620] MFJ rigs to FDIM
Message-ID: <20020514004339.33309.qmail@web21207.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I will be bringing 3 9000 series (40, 30 and 20 meter)
rigs with me to FDIM. Please contact me there or
e-mail me if you are interested. Offers considered.

73

Mike, W9QS

____
Do You Yahoo!?
LAUNCH - Your Yahoo! Music Experience
http://launch.yahoo.com

Date: Mon, 13 May 2002 19:50:30 -0500
From: "Brian Murrey" <brian@iquest.net>
To: <n9avg@att.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [126621] Re: Shuttle Bus
Message-ID: <008e01c1fae1$5967e050$4e362bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Silly question Jeff...you just have to FOLD it right.

----- Original Message -----
From: "Jeff Davis" <n9avg@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, May 13, 2002 6:42 PM
Subject: Re: Shuttle Bus

> I think the *real* question is how am I going to fit on that bus
with
> 30 or 40 Flying Pigs AND my 75 foot tower for the ride back to the

> hotel?
>
> ;-)
>
>
> 72 de Jeff, N9AVG
>
>
> ----- Original Message -----
> From: "WI8W" <wi8w@arrl.net>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Monday, May 13, 2002 6:37 PM
> Subject: RE: Shuttle Bus
>
>
> Hummmmmm.
>
> The hotel says $2 a day and the hamvention says Free because the
hotel
> is on
> the sponsors list.
>
> which is right? Inquiring minds want to know.
>
> 73
>
> Thom WI8W
>
>
>
>

Date: Mon, 13 May 2002 20:45:23 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [126622] Re: Hamfest
Message-ID: <000d01c1fae0$a2cdd020$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, any other week the answer would be "Saturday"

But this week, you would have to say Thursday.

72/73 de WB8RCR   http://www.qsl.net/wb8rcr
didileydadidah   QRP-L #1446 Code Warriors #35

----- Original Message -----
From: "Steve Markowitz" <sdmarko@attglobal.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, May 13, 2002 8:38 PM
Subject: Hamfest

> When is the next hamfest?

Date: Mon, 13 May 2002 17:54:19 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: n9avg@att.net,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [126623] Re: Shuttle Bus
Message-ID: <20020514005419.77470.qmail@web14201.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Ah shucks, the pigs are flying so there is no problem
there, now that tower is a different matter. Maybe the
pigs can to a little air freight?

See you Wed. night.

73, Bill kc4atu

____
Do You Yahoo!?
LAUNCH - Your Yahoo! Music Experience
http://launch.yahoo.com

Date: Mon, 13 May 2002 20:54:40 -0400
From: "William K. Harding" <k4ahk@ix.netcom.com>
To: "QRP-L Mail" <qrp-l@lehigh.edu>
Subject: [126624] FS: HW-8, 6m & 10m stuff
Message-ID: <E177QaH-00030A-00@granger.mail.mindspring.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

For Sale:

HW-8 with lots of mods and some scratches. Price $80.
HWA-7-1 Power Supply that I have never used. $20.
The pair together for $90.
These come with a copy of a manual and schematics and a copy of the original Hot Water Handbook.

Ten-Tec 1260 6m FM transceiver with all documentation. Oscillator coil and transistor need
replacing. $40 as is with a bag of new parts from Ten-Tec. $60 if I replace the oscillator parts.

Ten-Tec 1208 6m transverter with 20m input. I built it and it works great. $75 with all documentation.

Uniden HR2510 10m mobile transceiver with repeater mod added. Got it new and used very little. Asking $100.

Prices do not include shipping from Virginia. Shipping method - and cost - is your choice.

Please reply direct.

Bill Harding - K4AHK
Burke, VA - 22015
k4ahk@ix.netcom.com

Date: Mon, 13 May 2002 20:55:42 -0400
From: "Mike, Diane and Vicky" <tignor@attglobal.net>
To: "Work" <tignorm@edc.ge.com>, "Will" <wb1dmk@arrl.net>,
        "Wambolt, LeeAnne (IndSys,TEC)" <leeanne.wambolt@indsys.ge.com>,
Subject: [126625] Ignore the previous message it was a hoax - sorry Mike
Message-ID: <LPBBJEBJGENIAJFILJKGOELGCIAA.tignor@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Date: Mon, 13 May 2002 21:46:24 -0400
From: Pete Burbank <plburbank@kih.net>

To: qrp-l@lehigh.edu
Subject: [126626] Free bus
Message-ID: <5.0.2.1.0.20020513214208.0225eec0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

What the heck am I going to do with a free bus?
It won't fit in my backpack.
OO. Pete NV4V

Date: Mon, 13 May 2002 22:09:13 -0400
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: qrp-l@lehigh.edu
Cc: jdolson@iserv.net
Subject: [126627] Re: Epiphyte 3 Testing - Help!
Message-ID: <5.0.2.1.2.20020513220438.02320de0@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

John,

It's there (above 4MHz), where it should be. I saw exactly what you're talking about, but it's not actually a carrier--it's a modulated signal, if memory serves me. I think I remember it starting off quite a bit high, like around 4200KHz or something like that. Use a short piece of wire (no more) into your bench receiver...keep looking and I bet you find it...

72 de Mike, KO4WX

PS--I'll have my EP3 at FDIM...
Michael C. Boatright

Date: Mon, 13 May 2002 22:11:48 -0400
From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
To: WD8CIV@worldnet.att.net, qrp-l@Lehigh.EDU
Subject: [126628] Diode Specs
Message-ID: <3CE03A24.22279.6A5088@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Ok

Here is a really naive question:

Are the 1n34, 1n914 and 1n4001 interchangeable? Why or Why not (25 words or less)

Henry

On 13 May 2002 at 8:20, David Hinerman wrote:

> At 11:00 PM 5/12/2002 -0400, you wrote:
> >Does anyone know the approx. max forward current a 1N34 diode can
> >handle? Are there any other germanium diodes easily available with
> >better current handling ability? I am looking for a low forward
> >voltage drop for a low power wind generator idea I am trying out.
>
> This ol' book (1970 Motorola Semiconductor Data Book) has these specs
> for the 1N34:
>
> reverse blocking voltage = 60 volts
> average forward voltage drop 1 volt at 8.5 mA
> average reverse current 15 uA
>
> There is no maximum forward current specification, but it is intended
> to be a signal diode, so it's probably pretty low.
>
> You might want to consider a Schottky diode. They have a lower forward
> voltage drop than other silicon diodes (in the 0.3V range), and some
> are made as power devices.
>
> Dave
>
>
> ------------------------------------
> "You can fool some of the people all of the time. That's enough to
> make a living." - Lance Burton ------------------------------------
> Dave Hinerman WD8CIV@worldnet.att.net
>
>

Date: Mon, 13 May 2002 19:15:02 -0700
From: Thomas Upton <stjohn@ocsnet.net>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [126629] Wind Power using the Kansas Jumbo - (kind of Long)
Message-ID: <3CE07326.3C56B86B@ocsnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

When the Wind Power discussion started a few days back, I remembered the Kansas Jumbo, a wind machine which does not seem to have transitioned to any Search Engine.

The Jumbo was used to pump water and run belt drives out on the great plains. Apparently its balance was rather forgiving, unlike propellors.

The Kansas Jumbo is not a propellor facing into the wind. Rather, the surfaces and its axle are perpendicular to the wind. I'm pretty sure that with the prevailing winds from the West - Northwest - North quadrant, the builders built it at a 90 degree angle to the wind force, probably with its axis running northeast and south west.

How did it work? Imagine that, just as a bill board will fall over when pushed by a wind, the Kansas Jumbo was series of four bill boards ready to fall over, one after another. Think of a paddle wheel steamer in reverse.

Think of two or three + with a common axis. The rotation is a quarter turn of the + . Each arm of the + was parallel to two other +'s. Boards were bolted or nailed on the wind side. One + on each end, and for stability one + in the middle.

The wind can come from a very wide heading, actually anywhere in the 90 degrees of its heading. It hit the top of the first surface perpendicular to the wind force, and made it fall over, then brought up the next set of boards, and the next, and finally completed one revolution. Get the picture, kind of like the paddles on a steam boat.

Obviously no motion would happen if both the top boards and the other boards were all hit with the same force. The pioneers corrected this by having the Jumbo set in a box which reached to the level of the axle.

With no wind on the lower surfaces, and full wind on the only exposed surface, the blade fell away, and brought up the next blade.

On the end of the axle, outside the box, one could bring torque power off either by belt directly, or by mounting a turning wheel of greater diameter on the axle, which then was coupled by belt to a wheel of smaller diameter, increasing the speed of rotation. Begin thinking "alternator" here.

It was controlled by closing off the wind. A hinged set of boards were brought up in front of the top surface, thus almost cutting off the force of rotation. I'd be careful with my fingers, tho.

Who knows, our discussion and development of this simple and apparently forgiving machine of olden times might bring "Kansas Jumbo" into the Search Engine's grasp!

Tom Upton AD6N   Porterville CA 36 N at 119 W.

Date: Mon, 13 May 2002 22:28:12 EDT
From: N0BN@aol.com
To: qrp-l@lehigh.edu
Subject: [126630] Re: Arnie missing from FDIM.
Message-ID: <199.6e397fb.2a11d03c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

When I was talking to Arnie about the Kon Tiki deal a few weeks ago I asked whether he was going to make it to FDIM. He said unfortunately not since the arrangements for getting his visa issued could not be completed in time.

CU in Dayton!

72/73

Daniel n0bn

Date: Mon, 13 May 2002 22:28:32 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: ". Eastern PA QRP Club" <EPA-QRP@yahoogroups.com>,
        "QRP-L" <qrp-l@lehigh.edu>, "NoVAQRP" <NoVaQRP@topica.com>
Subject: [126631] NJQRP updates - kits, pubs, activities
Message-ID: <005f01c1faef$0c28c210$9bc93ad0@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hi folks -

Joe and I just put a note to the NJQRP list and thought that most of you on

these other QRP lists would be interested in the NJ club updates too. So here it comes!

Well, it's been fairly quiet here on the NJ list since Atlanticon. I can understand that, given the amount of energy that many of us put into our annual flagship weekend event at the beginning of this month.

In addition to taking a "coordination" breather, I have been rather busy working with N2CX on a presentation we are jointly giving at the Dayton FDIM QRP Forum this week Thursday. It's a dandy "antenna analyzer" project that is an outgrowth of the Digital QRP Breadboard project from my regular QRP Quarterly column.

I've also been struggling to get the next issue of QRP Homebrewer (#8) put to bed, and I've been successful in that. It's to the printer now and will be getting into the mail next week. It's a great issue, with a fabulous lead-off article from Mike Korejwo, KB3HMR about a Manhattan style SOP Receiver that he built and documented.

Since just before Atlanticon, all club kitting coordination and honcho'ing has been picked up by Dave Porter, AA3UR, with able assist from John Cawthorne KE3S and John De Good NU3E. These guys have been working their tails off to fulfill all the incoming orders for Tuners, Islander Amps, Pad Cutters, Starter Kits, QRP Balun Kits, Precision VXOs, Atlanticon Proceedings, QHB back issues, Badger Smartbadges and PSK31 Audio Beacons. Whew! What a load this is and their work is greatly appreciated by us all.

And speaking of kits, we're just about done with some of those mentioned. After a fast and successful run of more than 200 Tuners, Islander Amps, Starter Kits, Tyvek Kites Kits, our stock is depleted and we'll likely be retiring these again for a while. Hope you got your orders in while the shelves were full!

The Precision VXO Kit is moving more slowly than expected, although it has yet to be advertised in QHB, so there's some hope there. Jim Kortge, K8IQY did indeed supply us with the companion design of the crystal test fixture and we're prepared to take that to kit status if/when the PVXO kits pick up in sales. (Lots of club funds get tied up in kits and parts that don't sell off quickly, and we have to be careful about over-extending our resources.)

Speaking more about kits, Joe and I will be bringing a number of NJQRP goodies to Dayton this week. We've been inundated with requests from other QRPers to bring along these club goodies for sale at the FDIM hospitality soir es in the evenings this week. We'll be bringing Precision VXO kits, Gusher Antennas, Atlanticon Proceedings (*very* cool and packed with technical projects), Islander Amps & Pad Cutters, Manhattan Starter Kits, QRP Balun Kits and back issues of QHB #7.

Although we're not able to lug along the computer, printer, laminator and programmer for custom creation of the Badgers or the Audio Beacons there at Dayton, we'll be taking orders and communicating back with AA3UR who has committed to create the custom orders and get them into the next day's mail This way, those ordering the Badger or Beacon kits will have them upon their return home from Dayton!

Round #2 of the SOP Receiver is finally getting to kitted status and will soon be available on our shelves. We had some logistical problems and delays in getting this kit ready again (same happened in round #1 for the SOP - must be fate). But the kit is now in the capable hands of Captain Dave Porter and Team, so it shouldn't be too long before it's available. (And again, look for that Manhattan-style SOP construction article coming from Mike Korejwo in QHB #8 ... I guarantee it'll get your building juices flowing!)

Coming back to the Digital Breadboard project for a moment, the HC908 Daughtercard has also been advertised as being for sale, but this too suffered the limitations of my personal time this spring. Now that all projects, articles, publications, presentations and events are (nearly) over, this kit will be available. If you haven't yet seen this project in my regular QRP Quarterly column, it's pretty neat one that is based on a small 2"-square pc board containing a very fast, flexible and self-programming microcontroller called the 68HC908AB32. Believe me, since I normally produce articles and magazine contributions 3-6 months in advance, I can tell you that this board is already growing in ubiquity and utility for projects around the operating bench and workshop. You'll be seeing lots more about this project in the coming year.

BTW, information about the HC908 Daughtercard and the Digital QRP Breadboard project can be found at http://www.njqrp.org/digitalhomebrewing/ And yes I know, those pages need updating to the latest installment of QQ ... it's next on the list of things to do. There's tons of good, colorful pics, diagrams and new/fresh material that couldn't fit in the Jan QQ issue, so make a note to check the DQH pages out shortly.

As always, with any/all of our kits, if your order has been delayed because of parts shortages or personal time shortages from our kitting team members, we extend our sincere apologies. We give the best possible shot at delivering on time, cutting most overhead costs to keep your end price as low as possible, and giving you the kits and information that makes your hobby life enjoyable. If however, because of delays incurred along the way, you cannot wait for your kit to arrive, just let us know and we'll gladly and immediately refund your purchase price. Otherwise, thanks for your continued support of this fun activity we call QRP.

Very 73,
--George N2APB n2apb@amsat.org

& Joe, N2CX n2cx@voicenet.com
for the NJQRP Club at http://www.njqrp.org

Date: Mon, 13 May 2002 22:36:42 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [126632] GDO coils question.
Message-ID: <5.0.2.1.0.20020513220002.00a7e210@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Dear Gang.
I am building the GDO using a 40673 from an old handbook article and was wondering
about coil diameter.
More specifically...the early Millen GDOs used fairly small Dia coils which were easier
to get into tight places. This article specifies 1 inch diameter coils.which seem sort of
large for current gear.
Rather than do some tedious testing I thought I would ask for other opinions.
Thanks es 73 Pete
NV4V

Date: Mon, 13 May 2002 22:56:44 -0400
From: "Tom Dooley" <tdooley@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [126633] FDIM Activity Schedule
Message-ID: <039001c1faf2$fbd8bec0$224c3842@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="Windows-1252"
Content-Transfer-Encoding: 8bit

Here is the current schedule for the 2002 FDIM. Are you ready???

72
Tom
K4TJD

FDIM 2002
Events Calendar

Wednesday, May 15, 2002

8:00pm to 10:00pm Registration in Miamisburg Room

Thursday, May 16, 2002

7:30am to 8:00am Registration, outside of Main Ballroom

8:00am to 5:00pm Seminar, all day, Main Ballroom

5:00pm to 8:00pm Flying Pig/NOGA Buildathon, Miamisburg Room

8:00pm to 11:00pm Meet the Authors Social, Miamisburg/
Centerville Rooms

Friday, May 17, 2002

7:30pm to 11:00pm Vendor Night, Main Ballroom

8:00pm to 9:00pm Building contest judging, Miamisburg Room

Saturday, May 18, 2002

6:30pm to 7:00pm Cash Bar before Banquet, offsite, map to be provided

7:00pm to 10:00pm Awards Banquet, offsite, map to be provided

10:00pm until ??? Social, Miamisburg/Centerville Rooms

Date: Mon, 13 May 2002 22:59:39 -0400
From: "Tom Dooley" <tdooley@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [126634] FDIM Seminar Schedule
Message-ID: <039601c1faf3$63f3bf00$224c3842@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="Windows-1252"
Content-Transfer-Encoding: 8bit

Here is the seminar schedule for the 2002 FDIM. It's getting close!

73
Tom
K4TJD

FDIM 2002
Seminar Schedule

Thursday, May 16, 2002

7:30am to 8:00am Registration, outside of Main Ballroom, with coffee

8:00am to 8:15am Opening Remarks

8:15am to 9:55am George Heron, N2APB and Joe Everhart, N2CX
     Antenna Analyzer

9:55am to 10:25am Break

10:25am to 11:15am George Dobbs, G3RJV
     Minimalist Radio, Some Practical Techniques

11:15am to 11:25am End of Morning Session Remarks

11:25am to 1:00pm Lunch on your own

1:00pm to 1:50pm Peter Zenker, DL2FI
     SMT Technics

1:50pm to 2:40pm Jan Verduyn, G BBL; Alan Rowe, M PUB and
    Stephen Farthing, G XAR
     The QRP 2001, A Multi-band Phasing DC Rig

2:40pm to 3:10pm Break

3:10pm to 4:00pm Erik Westgard, NY9D
     A QRP Asylum of Your Very Own

4:00pm to 4:50pm Mike Bryce, WB8VGE
     Solar Power

4:50pm to 5:00pm Closing remarks & prize drawing

Date: Mon, 13 May 2002 22:58:28 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: henryf@quartz.gly.fsu.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [126635] Re: Diode Specs
Message-ID: <3CE07D54.9050702@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Henry Freedenberg wrote:
> Ok
>
> Here is a really naive question:
>
> Are the 1n34, 1n914 and 1n4001 interchangeable? Why or Why not (25 words or
> less)

In a word, no. Each occupies a different ecological niche.

The 1N34 is a germanium diode. As such, it has a low forward voltage drop, so it's good for detector circuits, especially when used without an amplifier (crystal set, SWR bridge). But it has high reverse leakage, and can't handle much current.

The 1N914 is a small-signal silicon diode. It's useful when you need rectification, but don't have much current to handle - 100ma or so is about the most you usually want to push through one. (It can handle more than the 1N34, though.) It can be used in detector circuits when you

have an amplifier in front of it.

The 1N4001 is a medium-current silicon diode rated for a peak reverse voltage (abbreviated PIV, the I being "inverse") of 50 volts and a current of 1 amp. It's useful in power supply circuits. If the diode is going to see more than 25 volts, it's safer to use one of its higher-voltage relatives, the 1N4002 through 1N4007.

The 1N4007, by the way, is also sometimes used as a poor man's PIN diode; in other words, as a diode switch. Even if the voltage in the circuit is low, as it often is, the lower-voltage relatives can't be used as substitutes; the 1N4007 is made differently, and works better in that application than the others do.

Date: Mon, 13 May 2002 22:55:26 -0400
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [126636] Re: Diode Specs
Message-ID: <3.0.6.32.20020513225526.0079b5c0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Henry,

No, they aren't interchangeable. The 1N34 is a germanium small-signal diode. It has a low forward voltage drop (about 0.3 V), low current capacity (about 150 mA, or so I've heard), relatively high reverse current, and high internal resistance. About its only "advantage" is the low forward drop. It can switch from "on" to "off" quickly when voltage is reversed, making it good for RF applications.

The 1N914 is a silicon small-signal diode. It has a higher forward voltage drop (about 0.7 volts), moderate current capacity (a few hundred mA), low reverse curent, fairly low internal resistance. It can switch from "on" to "off" when voltage is reversed very quickly, making it good for RF and digital switching applications.

The 1N4001 is a silicon power diode. It has almost the same forward voltage drop as the 1N914, high current capacity (2.5A comes to mind), low reverse current, and fairly low internal resistance. It doesn't switch as quickly as the 1N914, so it's a poor choice for RF use.

Dave

P.S. No charge for the extra words. (grin) D.

At 10:11 PM 5/13/02 -0400, you wrote:
>Ok
>
>Here is a really naive question:
>
>Are the 1n34, 1n914 and 1n4001 interchangeable? Why or Why not (25 words or
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>
>Henry
>
>On 13 May 2002 at 8:20, David Hinerman wrote:
>
>> At 11:00 PM 5/12/2002 -0400, you wrote:
>> >Does anyone know the approx. max forward current a 1N34 diode can
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>> >better current handling ability? I am looking for a low forward
>> >voltage drop for a low power wind generator idea I am trying out.
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>> This ol' book (1970 Motorola Semiconductor Data Book) has these specs
>> for the 1N34:
>>
>> reverse blocking voltage = 60 volts
>> average forward voltage drop 1 volt at 8.5 mA
>> average reverse current 15 uA
>>
>> There is no maximum forward current specification, but it is intended
>> to be a signal diode, so it's probably pretty low.
>>
>> You might want to consider a Schottky diode. They have a lower forward
>> voltage drop than other silicon diodes (in the 0.3V range), and some
>> are made as power devices.
>>
>> Dave
>>
>>
>> -------------------------------------
>> "You can fool some of the people all of the time. That's enough to
>> make a living." - Lance Burton ---------------------------------------
>> Dave Hinerman WD8CIV@worldnet.att.net
>>
>>
>
>
>

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 13 May 2002 23:12:12 EDT
From: RLucch2098@aol.com
To: qrp-l@lehigh.edu
Subject: [126637] FS: Ramsey Pair $50ppd! & HR-1 Rcvr $22ppd
Message-ID: <185.84651e9.2a11da8c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Fellas;
I have for SALE:
Ramsey 40 mtr QRP xmtr & matching receiver, working. $50ppd>>
 <A HREF="http://www.myradioroom.com/ramseypair.jpg">
http://www.myradioroom.com/ramseypair.jpg</A>
Also a 40 mtr HR-1 with NEW, never used Knob & cab kit for $22.00ppd. The Kit
& knobs cost that much!>>
 <A HREF="http://www.myradioroom.com/ramseyhr-1.jpg">
http://www.myradioroom.com/ramseyhr-1.jpg</A>
Thanks es 73....Rich WA2RQY (1961)
RLUCCH2098@aol.com
"Keep those heaters on"

Date: Mon, 13 May 2002 23:15:20 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <mark@buttery.org>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [126638] Re: Diode Specs
Message-ID: <003901c1faf5$96092dc0$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Mark J. Dulcey" <mark@buttery.org>
> The 1N4001 is a medium-current silicon diode rated for a peak reverse
> voltage (abbreviated PIV, the I being "inverse") of 50 volts and a
> current of 1 amp. It's useful in power supply circuits. If the diode is
> going to see more than 25 volts, it's safer to use one of its

> higher-voltage relatives, the 1N4002 through 1N4007.

Ah, but the reason usually isn't the diode, it's the circuit. Too many people
forget to figure the total reverse voltage applied in power rectifier circuits.
If you have a diode, it doesn't just see the voltage at the output in reverse
to 0, it sees the voltage on it's output in reverse to the SWING of the AC
applied to the diode from the AC in the OTHER direction! You have to
figure the voltage on the 'DC' side of the diode as if it were charged to peak
max with no load, and you have to figure the voltage on the AC circuit as
the PEAK voltage at the OPPOSITE peak of the AC waveform. If
this can cause breakdown of the diode, things can go real bad real quick!

I used to use the 1N4007 all the time, as if I remember they were the 1000v
and 2.5A versions. Available for less money and three to a card at Radio
Shack than the 1N4001/2/3/4 diodes at 2 to a card. (the 1/2/3/4 voltages
were I seem to recall 50v, 100v, 200v, and 400v) I thought the 1N4007
would be a do all wonder. However, it has other issues... I haven't used
one in maybe 15 years, but I seem to recall one of the issues was the
time it takes from conduction to off. If it was forward biased, and you
reversed the voltage, it would conduct for a relatively LONG time till it
shut off in reverse. Much longer than the 1N4001-4 diodes. They got
hot real quick. And if you waveform wasn't a nice pure sine wave, they
would really heat fast! And usually trash.

Mike

Date: Mon, 13 May 2002 20:41:49 -0700
From: "Gay Family" <jakidz@pullman.com>
To: <qrp-l@Lehigh.EDU>
Subject: [126639] RE: Boy Scouts and Youth Demo Tips
Message-ID: <PMECLCODPFKGLKANCBLAOEAOCDAA.jakidz@pullman.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="us-ascii"
Content-Transfer-Encoding: 7bit

Greetings:
     I'm new to both Scouting and Ham Radio, still working on my Woodbadge
ticket and as part of that getting my ham tickets. The two have a lot in

common - field day and camping and the public service and emergency communication philosophy. For hams wondering what the Radio Merit Badge is all about, the requirements are listed on the U. S. Scouting Service Project website at <http://www.usscouts.org/usscouts/mb/mb093.html>. For info on what Merit Badge Counselors do and how to become one, the page <http://www.usscouts.org/usscouts/meritbadges.asp> has links to the BSA guidelines for Merit Badge Counselors among other things.

A big reason I returned to a long dormant interest in ham radio (couldn't find an Elmer to help me with the code in the days BC - in the 60's before computer) was that ham radio is a way to show the Scouts that they can manipulate and use electronic technology. As most boys like to build things, after I discovered that Heathkit was unfortunately no longer, I found Elecraft and built a K2 with that in mind. One idea I've yet to try is to have something simple that I've built, like N0SS's noise generator, out so that they can look at real close and for the braver ones have my tools out with some components for them to solder together. As most have access to the internet, I've made up a sheet for ham radio and another for SWLing listing URL's such as that of the ARRL and SWL program information, some simple shortwave receiver kit links, links to info how to become a ham and so on. I haven't looked, but I'll bet the ARRL has printed materials for such a purpose as well.

John, KD7OIU.

Date: Tue, 14 May 2002 00:33:43 -0400
From: "Ed Tanton" <n4xy@earthlink.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [126640] speaker re-coning
Message-ID: <002601c1fb00$87e6dbb0$c39efea9@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="us-ascii"
Content-Transfer-Encoding: 7bit

I haven't finished writing up my (imminently successful!) AR-91 hi-fi speaker re-coning, but I photographed the second speaker's labors, and have placed them on my website at: <http://www.qsl.net/n4xy/SPKR_Reconing.html> . I also scanned and 'PDF'd the Direction sheet, but it takes me over 30 seconds for either of them to load on my DSL line... so I should redo them. They are there... but it takes a while. The photos are all properly compressed, and neither the thumbnails or the 800 x 600 photos should take all that long. Please feel free to ask any questions this generates. Both speakers work great!

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: http://www.n4xy.com

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA   GACW   QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Tue, 14 May 2002 04:54:20 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: plburbank@kih.net
Cc: qrp-l@lehigh.edu
Subject: [126641] Re: GDO coils question
Message-ID: <F115uiYsioKij85tdsF000190b7@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Pete Burbank (plburbank@kih.net) enquires:

>Dear Gang.
>I am building the GDO using a 40673 from an old handbook article and >was
>wondering about coil diameter. More specifically...the early >Millen GDOs
>used fairly small Dia coils which were easier
>to get into tight places. This article specifies 1 inch diameter
>coils.which seem sort of large for current gear.
>Rather than do some tedious testing I thought I would ask for other
> >opinions.
>Thanks es 73 Pete
>NV4V

Pete,

I don't think that it makes much difference. I happened to use 1" diameter
acrylic tubing for my homebrew grid dip oscillator and, yes, it is rather

large and cumbersome .... and does indeed use a genuine grid containing active device, aka vacuum tube. That tube happens to be a wee little thing (type 5719) but I crammed the power supply and all into the enclosure (using a transformer from a scrapped dot matrix printer):

http://www.geocities.com/alibhernlem/Radio/gdo.html

On the other hand, I recently came upon a large supply of four pin DIN plugs that would be wonderful for this application if one wished to use smaller coil forms (if you have a friend who works in a chemistry lab, disposable polystyrene 25 mL or 10 mL serological pipets may be just the ticket ... the 5 mL ones can be tapped to accept the common ferrite slugs, BTW ... but that is a different application).

Also, don't forget that you can use a link between the GDO and the DUT. You don't actually have to shove the coil right up against your test circuit. Somewhere I have a copy of an article by the intrepid homebrewer W1FB that used an outboard probe on a cable to poke around in cramped quarters.

Brad KG6IOE

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp.

Date: Mon, 13 May 2002 22:03:39 -0700
From: Conrad Weiss <radman@best.com>
To: "'Pete Burbank'" <plburbank@kih.net>,
        Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [126642] RE: GDO coils question.
Message-ID: <01C1FACA.0A5401E0@209-162-48-86.thegrid.net>

Hi Pete et al,

GDOs are one of my true passions :)!

The classic, vacuum tube Millen #90651 GDO (circa 1947) uses coils that are 0.70" in diameter x ~2.4" in length - not a diminutive probe by today's SMT standards ;)

Heathkit's solid state HD-1250 GDO sports coils that are 0.50" in diameter x ~2.0" in length - this represents perhaps 20 years of GDO evolution!

I don't own the new-fangled MFJ-259x series with the optional GDO coils,

but perhaps one of our own could comment on the dimensions of "modern day" GDO coils. [Somehow, "modern day GDO" sounds like a bit of an oxymoron to me. I suspect that a nominal half inch diameter coil may be pushing the design envelope ...]

Hey, could you reference the GDO circuit utilizing the 40673 ? I just happen to have one! Hope this helps, and keep that grid dipped... which reminds me, how the heck do you "dip the grid" using a GDO employing a 40673 dual-gate MOSFET ? :)

Best,

Conrad Weiss
NN6CW

From: Pete Burbank[SMTP:plburbank@kih.net]
Sent: Monday, May 13, 2002 7:37 PM
To: Low Power Amateur Radio Discussion
Subject: GDO coils question.

Dear Gang.
I am building the GDO using a 40673 from an old handbook article and was wondering about coil diameter.
More specifically...the early Millen GDOs used fairly small Dia coils which were easier to get into tight places. This article specifies 1 inch diameter
coils. which seem sort of large for current gear.
Rather than do some tedious testing I thought I would ask for other opinions.
Thanks es 73 Pete
NV4V

Date: Tue, 14 May 2002 02:22:00 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: "Mike Duke, K5XU" <k5xu@netdoor.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [126643] Re: Nye-Viking Audible Tuning Aid Wanted
Message-ID: <Pine.LNX.4.44.0205140221330.22967-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Palomar Engineers makes the PT-340. Similar.

On Mon, 13 May 2002, Mike Duke, K5XU wrote:

> About 20 years ago, Nye-Viking made a transmitter output indicator for use
> by blind hams. With it, you could either tune a rig for maximum output by
> tuning for the highest pitch, or find the null on an antenna tuner by tuning
> for lowest pitch. This was a self-contained unit which did not need to be
> connected across a meter. It was inserted into the coax just like an SWR
> meter.
>
> I would love to find one so that I can eliminate an extra box and cable from
> my feedline. Presently, I have an external SWR bridge with another external
> audible reader connected to it.
>
> If you know of anyone who has this Nye-Viking unit for sale or trade, please
> put me in touch with them. If you happen to stumble onto one at Dayton for
> anything reasonable, grab it and we'll deal.
>
>
> Mike Duke, K5XU
> American Council of Blind Radio Amateurs
>
>

--
Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu http://w3eax.umd.edu/~ham

Date: Mon, 13 May 2002 23:24:04 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: <henryf@quartz.gly.fsu.edu>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [126644] Re: Diode Specs
Message-ID: <004201c1fb0f$f23b5360$0200a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

No, because if they were, the manufacturers would
have given them all the same part number.

(16 words)

Cheers es 72,
Dave Fifield, AD6A

----- Original Message -----
From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
Subject: Diode Specs
 (snip)
> Here is a really naive question:
>
> Are the 1n34, 1n914 and 1n4001 interchangeable?
> Why or Why not (25 words or less)
(snip)

Date: Tue, 14 May 2002 02:46:17 -0400
From: "Ed Tanton" <n4xy@earthlink.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [126645] RE: Diode Specs
Message-ID: <002a01c1fb13$0d175d70$c39efea9@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="us-ascii"
Content-Transfer-Encoding: 7bit

Use 1N34 for 1N4001: EXPLOSION; 1N4001 for 1N34: SILENCE; 1N4001 for
1N914: MAYBE.

13 words.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: http://www.n4xy.com

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Tue, 14 May 2002 16:38:44 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [126646] Bus Schedule
Message-ID: <5.1.0.14.0.20020514163746.009ea7a0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Sorry if I had the information wrong, but when I looked at
the web page it showed only the Salem Mall bus schedule.
Looks like things changed. I do believe that I can read.... :-)

See you there.

dit dit

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
http://www.qsl.net/k7qo

Moving to Arizona? --- Bring your own water, please.

Date: Tue, 14 May 2002 16:41:32 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [126647] Wanted: Article in Ham Radio Magazine
Message-ID: <5.1.0.14.0.20020514163849.009ec070@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I'm looking for a copy of "An RF Voltmeter" by Braithwaite, I.

Ham Radio Magazine, Nov 1987, p. 65. I can get it at
Dayton if some one has it there.

Thanks in advance,

dit dit

This voltmeter good for ranges of 100mV, 10mV, 1mV, and
100uV max as shown on page 19 of "Ladder Crystal Filters"
by John Pivnichny, N2DCH, from MFJ Publishing.

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
http://www.qsl.net/k7qo

Moving to Arizona? --- Bring your own water, please.

Date: Tue, 14 May 2002 06:11:47 -0400
From: "John Grow" <jgrow@sympatico.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [126648] FS: Drake 2C Reciever
Message-ID: <000901c1fb2f$d8c7ec20$e1595d41@john>

Hello to the Group,

I have for sale, my Drake 2C receiver that I used in my QRP operation. It
has the noise blanker, and manual. I have pictures available. The radio is
in very very nice shape, no mods, non smoker. The front panel has no
scratches, or marks. It is working very well. Please email me for additional
information.
John

Date: Tue, 14 May 2002 06:17:34 -0500
From: "Karl Kanalz" <kkanalz@gcecisp.com>
To: <radman@best.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [126649] "Grid Dipping" a MOSFET
Message-ID: <NFBBKOMEFGJGEBABODPOMEINCDAA.kkanalz@gcecisp.com>
MIME-Version: 1.0

Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Conrad,
A dual-gate (or other) MOSFET used in this application is *usually*
called a "Gate Dip Oscillator" (even though you may be monitoring
the *source* current of the MOSFET).

Hence, it retains the acronym of "GDO".

By the way, the Millen GDO (even the solid-state version) and the
Measurements Corp. model 59 were (and still are!) the most
spurious-free GDOs in the world. The Heath GDO was especially
notable for its many spurii (called "false dips") and somewhat
shallow "dips", compared to the Measurements Corp. and Millen
GDOs......

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: Conrad Weiss
Sent: Tuesday, May 14, 2002 12:04 AM
To: Low Power Amateur Radio Discussion
Subject: RE: GDO coils question.
<snip>
Hope this helps, and keep that grid dipped... which
reminds me, how the heck do you "dip the grid" using a GDO employing a
40673 dual-gate MOSFET ? :)

Best,

Conrad Weiss
NN6CW
<snip>

Date: Tue, 14 May 2002 08:02:41 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [126650] VFO from inverter?
Message-ID: <5.1.0.14.1.20020514080115.00a50650@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Folks,

Has anyone ever made a usable VFO from a 74HC04 inverter chip?

I've made HF oscillators with them (sometimes even on purpose) but never tried to make a tunable one.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton
---
Dave Hinerman
WD8CIV@worldnet.att.net

Date: Tue, 14 May 2002 08:37:22 -0400
From: Dan Puckett <wd8aau@woh.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [126651] One last thing to remember at Dayton
Message-ID: <3CE10502.B7E95CA7@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

The Dayton area has many nicknames. It's known as the Miami Valley, the birthplace of flight, home of the cash register.

It's also known as Sinus Valley. You may want to pack your favorite anti-histamine. People without sinus problems develop them here.

Just trying to help,

Dan "Bash Bits"
WD8AAU

Date: Tue, 14 May 2002 08:44:38 -0400
From: "Kwik, Ed " <ed.kwik@delphiauto.com>
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>

Subject: [126652] Michigan QRP Net tonight
Message-ID:
<9F176F70FD71AC48AFC36F879D2B84E301B0707C@tryexch01.NorthAmerica.DelphiAuto.net>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

The Michigan QRP net meets each Tuesday night at 9:00 PM EDST on 3.535 =
MHz. Hope you see you all tonight. I leave for a "business trip" to =
Dayton very early on Wednesday. Of course there is a minor side trip to =
some sort of ham radio thing. Last week we had six check ins from a =
bunch of regulars.=20

W8IQB 589 589 BRISTOL MI LOWELL=20
WA9PWP 569 579 STOUGHTON WI PAUL=20
N3WT 559 579 PORT VUE PA JOHN=20
W8EIG 589 599 EAST LANSING MI DON=20
K8CV 589 569 ROYAL OAK MI WALT=20
K1CL 449 569 CHELMSFORD MA CHUCK=20

Hope to see you all tonight or at FDIM.=20

Ed AB8DF Waterford, MI=20

Date: Tue, 14 May 2002 09:19:34 -0400
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: neqrp@jonal.net, qrp-l@Lehigh.EDU
Subject: [126653] NEQRP SSB NET Tuesday night
Message-ID: <OF194D7E29.4CE67CB1-ON85256BA5.004A13E0@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

The NEQRP SSB NET:
     Date: Tuesday night
     Time: early   07:30PM EDST
                 late   08:30 PM EDST
      Freq: 7.285 Mhz +- 5Khz
      Net OP : Ron N1ZSW

Band was in great shape with some QRM'er at the end.
Last weeks checkins where:

07:30PM EDST   8 checkins:
WA1OHR   Ev   CT   IC756
KC1FB   Jim   CT   FT-7
AA1UE   Jerry   MA   SGC-2020
K1CL   Chuck   MA   FT-840
KD1JV   Steve   ME   PATCOMM 9000
N1XTK   Keith   CT
AB8DF   Ed   MI
WD1V   John   VA   K2

08:30PM EDST
AB8DF ED   MI
KC1FB   Jim   CT   QRP+
K1CL   Chuck   MA   FT-840

Everyone pick up the mic , "key" the PTT and share in the NEQRP
SSB experience. All welcome.

Ron N1ZSW

Date: Tue, 14 May 2002 07:01:06 -0700 (PDT)
From: Shawn Upton <kb1ckt@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [126654] 2N5836
Message-ID: <20020514140106.33484.qmail@web10107.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I have a small bag of these devices on my desk at
home; they were given to me. I did a google search,
and went to Motorola's sight; nothing. Anyone have a
datasheet on this bugger? Or at least can tell me
specifics about this device? Thanks.

KB1CKT
Shawn Upton

_____
Do You Yahoo!?
LAUNCH - Your Yahoo! Music Experience
http://launch.yahoo.com

Date: Tue, 14 May 2002 07:27:34 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [126655] Re: Diode Specs
Message-ID: <D3FB80858D62D511ACD500D0B73E9D85023423BC@az33exm03.corp.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

>
>Here is a really naive question:

>Are the 1n34, 1n914 and 1n4001 interchangeable? Why or Why not (25 words or
>less)

>Henry

In addition to what has been already said, power diodes have
lots of internal "C" compared to their "small signal" variations.
In general, the extra "C" tends to make these diodes perform
poorly (if at all) for RF purposes.

Power diodes (1N4001 silicon, 1N5819 Schottky) are normally
designed for lower frequency power supplies.

Small signal diodes (1N914 silicon, 1N34 germanium, SD101 Schottky)
have very little junction "C" and thus are useful in "small signal"
high frequency RF applications.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Tue, 14 May 2002 07:31:56 -0700
From: Lee Hopper <leehop@qwest.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [126656] Low Power Balun Kit
Message-ID: <3CE11FDC.3000502@qwest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Arrived yesterday: NJ QRP Club Low Power Balun Kit - nice directions -
has already explained some new things about baluns - for instance, did
you know the wires in a balun are considered a feedline?

Thanks to AA3UR and all involved.

Lee Hopper, KD7CTF

Date: Tue, 14 May 2002 14:33:24 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: WD8CIV@worldnet.att.net, qrp-l@Lehigh.EDU
Subject: [126657] Re: VFO from inverter?
Message-ID: <F120OquVVGnCfyhlH9U00018a4b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: David Hinerman <WD8CIV@worldnet.att.net>
>Reply-To: WD8CIV@worldnet.att.net
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: VFO from inverter?
>Date: Tue, 14 May 2002 08:02:41 -0400
>
>Folks,
>
>Has anyone ever made a usable VFO from a 74HC04 inverter chip?
>
>I've made HF oscillators with them (sometimes even on purpose) but never
>tried to make a tunable one.
>

It could be done, of course, but the results aren't likely to be very good. Problems that spring to mind are stability (capacitances are probably quite high, and will vary with temp.) and phase noise. The MC1648 is quite a good chip for a VFO/VCO, on the other hand.

73, Leon
--
Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: http://www.leonheller.com

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp.

Date: Tue, 14 May 2002 07:30:00 -0700
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: <kb1ckt@yahoo.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [126658] Re: 2N5836
Message-ID: <001001c1fb53$d4b566c0$0b02a8c0@0020115492>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The NTE cross-reference has this data for their '278' part:

NPN-Si. Broad Band RF Amp, CATV/MATV Amp. TO39 case; e-b-c (e nearest tag,
case = collector).
Icmax = 0.4A, Vcbmax = 40V, Vcemax=20V, Vebmax = 3V, hFEmin = 40, Pdmax =
3.5w, fTtyp = 1400MHz.

Hope this helps,

--ian

Date: Tue, 14 May 2002 07:36:04 -0700
From: <ac7a@gci-net.com>
To: kb1ckt@yahoo.com,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [126659] Re: 2N5836
Message-ID: <web-2312971@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"
Content-Transfer-Encoding: 8bit

Shawn,

The 2N5836 is from Motorola's RF line. It is NPN and has a
rated Ft of 2.5GHz (Ic=50mA, Vce=6V). Pd is 0.75W.

If you can find a copy of the old Motorola RF Device Data
book, it'll give you all the specs.

Regards, Thomas - AC7A (Tucson)

> Anyone have a
> datasheet on this bugger? Or at least can tell me
> specifics about this device? Thanks.
>
> KB1CKT
> Shawn Upton

>
> ____
> Do You Yahoo!?
> LAUNCH - Your Yahoo! Music Experience
> http://launch.yahoo.com

Date: Tue, 14 May 2002 10:46:29 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [126660] Re: 2N5836
Message-ID: <5.1.0.14.1.20020514103637.00a71ec0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:01 AM 5/14/2002 -0700, you wrote:
>I have a small bag of these devices on my desk at
>home; they were given to me. I did a google search,
>and went to Motorola's sight; nothing. Anyone have a
>datasheet on this bugger? Or at least can tell me
>specifics about this device? Thanks.

Shawn,

My 1970 Mot databook says this:

"...designed primarily for use in fast current-mode switching circuits in
military and industrial equipment. Suitable for use in general
high-frequency amplifier applications to 1.5GHz."

Max ratings:
Vceo 10V
Vcb 15V
Veb 3.5V
Ic 200 mA
Pd 2W derate at 6.67 mW/degree C above 25

Misc specs:

hfe 25 @ ic=50mA, Vce=6V
ft 2.0 GHz (yes, that's gigahertz)
switching rise time 320 ps @ ic = 40mA

There are a whole bunch of Smith charts and polar graphs that I just can't render in ASCII. Apparently you've lucked into to some UHF small-signal transistors.

Dave

P.S. Case to-46 (looks like a half-height TO-5). Looking at the bottom with the index tab at 7 o'clock, the pins are (l-r) emitter, base, collector. I can't tell if the case is connected to any lead. D.

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton
---
Dave Hinerman
WD8CIV@worldnet.att.net

Date: Tue, 14 May 2002 10:59:42 -0400
From: "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
To: wi8w@arrl.net
Cc: qrp-l@Lehigh.EDU
Subject: [126661] Re: Shuttle Bus at FDIM
Message-ID: <OF2A3AAE55.4AAB1269-ON85256BB9.00521B37@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thom,
While I don't know the shuttle bus details from FDIM, you definately should park behind the Salem Mall. This property is about 1 mile west of the Hamvention site. Busses will run very frequently. Parking is on pavement, so no "mess" associated with the unofficial grass lot parking -- and I've been there thankful I've had four-wheel-drive before!

73, and enjoy the weekend!
Steve
aa8af

"WI8W" <wi8w@arrl.net>
Sent by: owner-qrp-l@Lehigh.EDU
05/13/2002 07:10 PM
Please respond to wi8w

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
cc:
Subject: Shuttle Bus at FDIM

anyone know if there will be a shuttle bus from the FDIM hotel to the Hamvention each day?

With rain in the forecast I do not want to park my car in that darn field across from Hara.

I know this was asked before but I may have missed the answer.

thanks

Thom WI8W

Date: Tue, 14 May 2002 16:38:27 +0100
From: "Ray Goff" <radioham@gmx.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [126662] RE: VFO from inverter?
Message-ID: <FDEOKGEJJFNPABJIJGDDIEPKEEAA.radioham@gmx.co.uk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Dave,

I have used them in this mode, but the input/output capacitance tends to change with temperature making stabilisation a bit of a problem. The other problem is they run at quite high power which again leads to heating in the tuning coil etc.

You should also consider the 74HCU04 part which is unbuffered and designed for oscillators.

As you say, they are easy to make, usually inadvertantly, so I suggest puttin one together at your chosen frequency and see how stable it is! Then let us all know the results.

73/72's de Ray g4fon

RSGB, BATC, GQRP-10698
QRP-L 2378, QRP-ARCI 11153
ray@g4fon.co.uk
www.g4fon.co.uk

>
> Folks,
>
> Has anyone ever made a usable VFO from a 74HC04 inverter chip?

Date: Mon, 13 May 2002 20:33:10 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@Lehigh.EDU>
Subject: [126663] KI6DS will be at Lobstercon on first weekend in July.
Message-ID: <019501c1faf8$153f7c00$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, after some careful planning and rearrangement of my vacation, JoAnne and I will be at Lobstercon in Maine the first weekend of July. I just cannot resist the lobster that Rex Harper dangled in front of me, plus the opportunity to see two good friends, Seab Lyon and Steve Weber cinced the deal. I also heard that Dave Benson was seriously thinking about making the trip. Now if I could convince George Heron and Joe to make the trip . . . . . . Hope to see some of you there. If you have questions, please email Rex Harper, not me, I'm just going to have some fun. 72, Doug

---

Date: Tue, 14 May 2002 11:54:09 EDT
From: K5BDZ@aol.com

To: ki6ds@dph.dpol.net, qrp-l@lehigh.edu
Subject: [126664] Re: KI6DS will be at Lobstercon on first weekend in July.
Message-ID: <195.6ef8b99.2a128d21@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

What city / town in Maine?

Sounds like a good weekend to travel Maine is only about 3 1/2 hours from Houston.

Bill K5BDZ

Date: Tue, 14 May 2002 12:04:42 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [126665] Re. GDOs
Message-ID: <5.0.2.1.0.20020514113628.00ac3d90@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Thanks to all who replied to my question...all were really great. I found some Monoject
plastic syringes slightly less that 3/4" dia that should work well. I bought them several years
ago at a dental supply. They are the ones used to wash out the cavity after a wisdom tooth is pulled.
It looks like a coil could even be wound on the plunger.
73 Pete NV4V

Date: Tue, 14 May 2002 12:39:22 -0400
From: "Howard Kraus" <K2UD@adelphia.net>
To: <qrp-l@Lehigh.EDU>
Subject: [126666] FET needed-desperate!
Message-ID: <004201c1fb65$e74aeb40$07633018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Going to Dayton and in need of a 2N5458, HEP801 or an MPF104. Who might

have one that is going to attend the festivities at FDIM?

TNX es 72

Howard Kraus, K2UD

Date: Tue, 14 May 2002 12:44:23 -0500
From: W2EB <w2eb@twcny.rr.com>
To: qrp-l@lehigh.edu
Subject: [126667] QRP+ @ FDIM
Message-ID: <3CE14CF7.E9B511BD@twcny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

I'll be bringing my QRP+ to FDIM to sell. Anyone interested should look me up. I hope to arrive by 1400 Wed. I'd like $300, but we can discuss it.

W2EB
Bill
Syracuse, NY

Date: Tue, 14 May 2002 09:59:18 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <leehop@qwest.net>
Subject: [126668] RE: Low Power Balun Kit
Message-ID: <NFBBKLDHALEHCJMAJPKFKEILDBAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

That's why we refer to them as 'Transmission Line Transformers.

Have fun!
Tracy N4LGH -
See you guys at booth 248!!

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of Lee

Hopper
Sent: Tuesday, May 14, 2002 7:32 AM
To: Low Power Amateur Radio Discussion
Subject: Low Power Balun Kit

Arrived yesterday: NJ QRP Club Low Power Balun Kit - nice directions - has already explained some new things about baluns - for instance, did you know the wires in a balun are considered a feedline?

Thanks to AA3UR and all involved.

Lee Hopper, KD7CTF

Date: Tue, 14 May 2002 12:00:04 -0500
From: Mark Fields <mark_ke5my@juno.com>
To: qrp-l@lehigh.edu
Cc: fpqrp-l@mpna.com, hqrp@stevens.com
Subject: [126669] OT: Problems with Juno
Message-ID: <20020514.120026.-173603.0.mark_ke5my@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello, everyone:
   For quite a few weeks now, I have been unable to get on to the Internet. Most of the time, the screen's background stayed totally black instead of showing Juno's home page. Even when that didn't happen, my computer would slow to a crawl, and the pointer would behave very erratically.
   Also, I have been getting some duplicate messages in my e-mail.
   Is anyone else (who also uses Juno) having these problems? I've been wondering whether the problem was with Juno or if it was being caused by my anti-virus software (AVG) or my firewall (ZoneAlarm--and lowering its security settings didn't do any good).
   Thanks in advance for everyone's feedback.

73, Mark, KE5MY

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http://dl.www.juno.com/get/web/.

Date: Tue, 14 May 2002 14:10:58 -0400
From: "Woody Lee" <lee@sms.si.edu>
To: <qrp-l@Lehigh.EDU>
Subject: [126670] Aluminum / S-S Compatibility (off topic)-long
Message-ID: <sce11afd.084@simail1.si.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

Hi Steve,

I receive the digest version of QRP-L so I don't know if you have received =
any negatives for using stainless steel rivets in an aluminum boat, but I =
would be very hesitant about doing it. One of my many duties is being =
the engineer on a forty foot research boat operated by the Smithsonian =
Institution for nearly 20 years . Here at the marine lab aluminum on =
stainless causes a huge corrosion problem and is a constant source of =
frustration for me. In most cases s.s. hardware is the only way I can =
attach things to the superstructure of the boat or to submerged equipment, =
but it is indeed high maintenance. In most cases I try to use plastic =
inserts and washers to mechanically isolate the two dissimilar metals, but =
in cases where isolation isn't possible, I must remove, wirebrush, and =
then silicone grease the parts yearly or else the stainless hardware will =
eventually seize onto itself and the aluminum. =20

Stainless steel rivets in an aluminum boat may work if you keep your boat =
almost always out of the water, such as using it only for day trips. But, =
if your boat is in the water for long periods of time, and the water is =
strongly ionic (haline, brackish, or even acidic fresh water -acid rain =
areas in the NE and eastern Canada) you will eventually have a corrosion =
problem. If your boat is docked in a marina for long periods of time with =
other boats using gensets or tied to shore power, you will eventually have =
corrosion or electrolysis. Even tethering a boat to a dock in strongly =
flowing water can cause a very weak electrical field around a boat which =
will in time increase corrosion.

Last year I tried using s.s. pop rivets on our aluminum boat trailer to =
attach sidelights and other hardware, under the mistaken assumption it =
would be better than the aluminum rivets the manufacturer used. Besides =

breaking the riveter (it takes A LOT more force to snap the stem of a s.s. =
rivet), corrosion made the rivets loose after a few months, and that was =
only using the trailer 3 times during that period to launch out 15 foot =
Boston Whaler, and meticulously rinsing the trailer with fresh water after =
use. Three months later I was replacing the s.s. pop rivets.

The two responses I saw you received favoring using S.S. rivets on =
aluminum appeared to me to be in air conditions. My experience is in =
marine aquatic conditions and limitedly in acidic lake conditions. I =
would advise you to be very careful, and if you do use s.s rivets on your =
aluminum boat, drill them out immediately and replace with aluminum rivets =
at the first sign of corrosion.

Woody =20

Woody Lee
Research Assistant
Smithsonian Marine Station at Fort Pierce
701 Seaway Drive
Fort Pierce, FL 34949

561.465.6630 ext.145   telephone
561.461.8154   fax
lee@sms.si.edu

www.sms.si.edu

Date: Tue, 14 May 2002 13:56:00 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [126671] Schedule
Message-ID: <Pine.LNX.4.44.0205141343250.1572-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For the next 2 evenings there will be a QRP QSO trying to get going near 14.020 MHz. I will be beaming East from Las Cruces towards Sweetwater OK and K5OI and Wash D.C. and WF5A. Karl and I are both using FT-817 at 5 watts and Tim is using a K2 also 5 watts. Karl in D.C. is using a yoyo diplole in a hotel room and Tim has a wire thrown down the hallway.

We will start at 0200 UTC which is 6pm west, 7pm mountain, 8pm central and 9 pm east and I will send 15 wpm to start.

If you hear us trying but not hearing each other let us know what you hear. If we are in QSO listen and then break in.

All three of us belong in Las Cruces. Just happens that Karl works for US Dept Interior and Tim is a Dean.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
http://www.zianet.com/k5di/

Date: Tue, 14 May 2002 14:12:14 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [126672] QRP amp kit is shipped
Message-ID: <Pine.LNX.4.44.0205141409210.1572-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you bought one of the k5oor kits many were shipped yesterday Monday May 13. Check the web page at:

http://www.hfprojects.com/

and see if your ship box has a check mark.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
http://www.zianet.com/k5di/

Date: Tue, 14 May 2002 16:30:35 -0400
From: "Lee Mairs" <lmairs@cox.net>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [126673] Re: QRP amp kit is shipped

Message-ID: <010d01c1fb86$34434da0$6401a8c0@nv.cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Darn...

> If you bought one of the k5oor kits many were shipped yesterday
> Monday May 13. Check the web page at:
>
> http://www.hfprojects.com/
>
> and see if your ship box has a check mark.

Date: Tue, 14 May 2002 20:56:46 +0000
From: "Alan Fryer" <N3BJ@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [126674] FS at Dayton: Loaded IC-765
Message-ID: <OE53tbrBUl0oqg1SsCh0000ea45@hotmail.com>

For Sale at Dayton: Late production (SN 4XXX) Icom IC-765 with all options and LTA CW tracking board. Has dual 250 Hz filters, dual 500 Hz filters, AM filter, TCXO, voice board. In nice shape, works perfectly, ceramic trimmer, passband, and receive audio mods done. Original operator and service manual, mod info included.

This is a real hoss of a rig, but adjustable to QRP levels. The only rig I have owned that [might] beat the K2 on receive.

Offered on this list first, on QRO lists later. Might consider FT-817 as partial trade or ??

$1200 delivered to Dayton

Alan, N3BJ
Bent Mountain, VA

Date: Tue, 14 May 2002 15:28:44 -0600 (MDT)
From: "James P. Rybak" <jrybak@mesastate.edu>
To: qrp-l@lehigh.edu
Subject: [126675] Need Refurbished Laptop for QRP PSK-31

Message-ID: <Pine.LNX.4.21.0205141524290.4269-100000@mesastate.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm thinking about getting a refurbished laptop (probably an IBM Thinkpad) for running portable QRP PSK-31. Can anyone recommend honest, reliable dealers in refurbished laptops? Getting a good price is no bargain if you end up with a piece of crapola.

Thanks.

Jim W0KSD

Date: Tue, 14 May 2002 17:42:31 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <jrybak@mesastate.edu>
Subject: [126676] Re: Need Refurbished Laptop for QRP PSK-31
Message-ID: <105c01c1fb90$4183bea0$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Last year at Dayton I bought a Thinkpad 730T from Mendelsohn's. The thing was so cheap I assumed it didn't work, and they made no claim that it did. I figured I'd scavenge the LCD panel for some project or another.

Well, when I plugged it in, I was surprised to find it did work, so now instead of looking for a project for the display, I'm looking for a copy of PenDOS. And really wishing I had bought a half-dozen or so. If I had more than one I'd probably be a lot more creative about projects for it.

72/73 de WB8RCR http://www.qsl.net/wb8rcr
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----
From: "James P. Rybak" <jrybak@mesastate.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, May 14, 2002 5:28 PM
Subject: Need Refurbished Laptop for QRP PSK-31

>
> I'm thinking about getting a refurbished laptop (probably an IBM
> Thinkpad) for running portable QRP PSK-31. Can anyone recommend honest,
> reliable dealers in refurbished laptops? Getting a good price is no
> bargain if you end up with a piece of crapola.
>
> Thanks.
>
> Jim W0KSD
>

Date: Tue, 14 May 2002 15:28:44 -0700
From: Conrad Weiss <radman@best.com>
To: "'James P. Rybak'" <jrybak@mesastate.edu>,
        Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [126677] RE: Need Refurbished Laptop for QRP PSK-31
Message-ID: <01C1FB5C.09BB08E0@209-162-48-86.thegrid.net>

Jim & the gang,

I noticed that Heartland America, the mail order/online merchandising
giant, is selling the IBM ThnikPad 760XL refurbished, at the present time.
It's a P-166MMX - fully loaded with TFT display, CD-drive, FDD, 2.1GB HDD,
32MB RAM, 56K modem, charger, etc... and comes w/ Win95.
You get a 90 day warranty on the product. IMO, it would be very adequate
for DigiPan/PSK31 work and any logging demands.

They're selling for $499 for "non Heartland club members" and $449 if you
join their buying club. I'm not a member of their club, but have ordered
from them before and found them very prompt, courteous and reputable.

URL: http://www.heartlandamerica.com/
>>> "Electronics"
>>> "Computer & Office"
>>> you're there

Just another option... :)

GL es best,

Conrad Weiss
NN6CW   >>> not affiliated w/ Heartland/etc..

From: James P. Rybak[SMTP:jrybak@mesastate.edu]
Sent: Tuesday, May 14, 2002 8:29 AM
To: Low Power Amateur Radio Discussion
Subject: Need Refurbished Laptop for QRP PSK-31

I'm thinking about getting a refurbished laptop (probably an IBM Thinkpad) for running portable QRP PSK-31. Can anyone recommend honest, reliable dealers in refurbished laptops? Getting a good price is no bargain if you end up with a piece of crapola.

Thanks.

Jim W0KSD

Date: Tue, 14 May 2002 23:29:22 -0700
From: park@full-moon.com
To: qrp-l@lehigh.edu
Subject: [126678] Crystal Urgently required!!
Message-ID: <3CE20042.4C45@full-moon.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello,

I'm urgently in need of a crystal(s) in the range 15.020-15.060 Mhz. If anyone has something in this range (any size) and would be willing to part with it please e-mail me ASAP. I'm willing to pay, swap, or return the favour in some way!

Mike M0BST
mbdb@mighty.co.za

Date: Tue, 14 May 2002 18:33:34 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-l@lehigh.edu
Subject: [126679] R2Pro Announcement
Message-ID: <200205142243.g4EMgYhp007430@hagus.bright.net>

I have finally finished the preparation of the R2Pro kit and will be taking a stock of kits to Dayton this coming weekend. You may order any time - I

will be shipping orders after I return next week. Email or mail is the preferred method of ordering - my answering machine is presently garbling a lot of the messages that are left. If you want to pick one up at Dayton, send me an email before Wednesday evening and I will set one aside for you. I will be at FDIM and in Booth 514 with W7EL.

The text of the Product Announcment with pricing is below. Keep in mind this is not a beginner's kit. The kit includes the PC boards and parts, Schematic, Parts lists, and layout. You will need to supply the enclosure, Local Oscillator, dc power, connectors, hardware, shielding, etc.

Rick has built several of the R2Pro receivers, but only two of the kits have actually build built. I am not expecting any problems to crop up, but with only two kits being built as prototypes it is possible there will be glitches in the first run. I will be bringing up a web site with info on the R2Pro with feedback from the early builders. The URL will be:

www.bright.net/~kanga/r2pro/.

It will come up sometime next week after I return from Dayton.

R2Pro Product Announcement

The R2Pro is an upgraded and improved version of the R2 receiver designed by KK7B published in the January 1993 issue of QST. Improvements include:

SBL-1dbm s replaced with TUF-3's
LM387audio IC replaced with low noise dual op-amp
Inputdiplexers have been re-designed
Oppositesideband rejection has been improved - greater than 50db
    possible
Improvedreceiver system noise figure
Improvedmuting and gain options

The R2Pro contains an LNA with tuned input and output, RF splitter, I and Q TUF-3 diode ring mixers, matched bandpass diplexers and audio preamplifiers, a 90 degree audio phase shift network, summer, audio bandpass filtering (wide SSB supplied - 3 and 1 KHz filters are optional), and an audio power amplifier. Four separate PC boards are used so that each stage can be individually shielded. With an appropriate quadrature local oscillator (LM2 or UVFO recommended) the R2Pro module is a single sideband or single signal CW direct conversion receiver for any frequency between 1 and 500 MHz. The R2Pro is also an excellent last conversion stage in a superhet system. The wide frequency range of the R2Pro module permits construction of single conversion microwave SSB and CW receivers

and up-conversion HF receivers without the usual limitations on IF imposed by the need for narrow band crystal filters.

Pricing:

R2Pro - $115
includes pc boards, parts lists, schematics, layouts, and parts for the following modules: LNA, Downconverter, Analog Signal Processor, Audio Amplifier

Set of 5 PC boards (includes 1 audio filter board) - $25

Module Pricing (includes PC board, parts, parts list, layout, and schematic):

LNA Module - $12
Downconverter- $52
AnalogSignal Processor - $38
1   KHz Filter - $15
3   Khz Filter - $14
AudioAmplifier - $16

73 - Bill - N8ET
Kanga US
kanga@bright.net
http://www.bright.net/~kanga/
419-423-4604

End of QRP-L Digest 2555
****